

ABSTRACT

A diversity wireless device for use in a wireless terminal unit includes at least one grounded antenna and at least one ungrounded antenna in proximity to each other on a circuit board. By providing at least one ungrounded antenna and at least one grounded antenna, there is a low correlation between the antennas resulting in a high diversity gain. The high diversity gain as a result of these antennas is maintained even with downsizing of the diversity wireless device.

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